



# SLD120PV LED Driver Power Supply

120 Watts Constant Voltage LED Driver  
IP67 Rated Indoor/Outdoor Use, RoHS 2 Compliant

Date: 2/12/13

Rev: 020813



## Features:

- Wide Operating Voltage
- Internal EMI Filter
- Active Power Factor Correction
- Constant Voltage: 21 – 50 VDC
- Over Voltage Protection
- Over Current Protection
- Class I
- RoHS 2 Compliant



## Input

Approved Input Voltage	100 to 277 VAC
Operating Input Voltage	90 to 305 VAC
Input Frequency	47 to 63 Hz
Input Current (Low Line)	1.8 A Max. at 100 VAC
Input Current (High Line)	0.7 A Max. at 240 VAC
Power Factor Correction	0.90 to 1.0
No Load Power Cons.	1 Watt Max.
Safety Ground Leakage Current	0.75 mA Max. at 240 VAC, Full Load

## Output

Output Voltage & Current	<b>See Chart</b>
Ripple & Noise (P-P)	1% Max., Full Load at 90 VAC Input
Over Voltage Protection	Set at 103 - 105% of Nominal Output Current
Over Current Protection	Set at 140 - 180% of Nominal Output Current
Temperature Coefficient	± 0.04% / °C Max.
Transient Response	Full Load to Half Load @ 100 VAC Input: 4 mS Max.

## Environmental

Operating Temperature	-20°C to 70°C
Derating	Derated Linearly from 100% at +60°C to 50% at 70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	0% to 95% Non-Condensing

## Electrical

Efficiency (at 230VAC)	86% to 90% at Full Load
Start-Up Time	1 Second Max.
Hold-Up Time	10 mS Min.
Line Regulation	0.5 to 1% Max. at Full Load
Load Regulation	3% Max. at 230 VAC
Inrush Current (at 25°C Cold Start)	37 A Max. at 120 VAC 75 A Max. at 230 VAC
Withstanding Voltage	4242 VDC from Pri. to Sec. 2121 VDC from Pri. to Gnd.
Isolation Resistance	50 MΩ Min. from O/P to Gnd
Mean Time Between Failure (MTBF)	100,000 Hours Min., Full Load at 25°C Ambient

## Safety

Safety Standards	Meets or Exceeds:
	(A) UL/c-UL (UL 8750: 1st Edition)
	(B) TUV/BUART (EN/IEC 61347-1:2008, EN/IEC 61347-2-13:2006)
	(C) CE-EMC (EN 55015:2006 & EN 61457:1995+A1:200)
	(D) CB
	(E) IP67



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### Single Output Voltage and Current Chart

Model Number	Output Voltage	Output Current	Maximum Output Power
SLD120PV21R	21 VDC	0 - 5.71 A	120W
SLD120PV22R	22 VDC	0 - 5.45 A	120W
SLD120PV23R	23 VDC	0 - 5.21 A	120W
SLD120PV24R	24 VDC	0 - 5.00 A	120W
SLD120PV25R	25 VDC	0 - 4.80 A	120W
SLD120PV26R	26 VDC	0 - 4.61 A	120W
SLD120PV27R	27 VDC	0 - 4.44 A	120W
SLD120PV28R	28 VDC	0 - 4.28 A	120W
SLD120PV29R	29 VDC	0 - 4.13 A	120W
SLD120PV30R	30 VDC	0 - 4.00 A	120W
SLD120PV31R	31 VDC	0 - 3.87 A	120W
SLD120PV32R	32 VDC	0 - 3.75 A	120W
SLD120PV33R	33 VDC	0 - 3.63 A	120W
SLD120PV34R	34 VDC	0 - 3.52 A	120W
SLD120PV35R	35 VDC	0 - 3.42 A	120W
SLD120PV36R	36 VDC	0 - 3.33 A	120W
SLD120PV37R	37 VDC	0 - 3.24 A	120W
SLD120PV38R	38 VDC	0 - 3.15 A	120W
SLD120PV39R	39 VDC	0 - 3.07 A	120W
SLD120PV40R	40 VDC	0 - 3.00 A	120W
SLD120PV41R	41 VDC	0 - 2.92 A	120W
SLD120PV42R	42 VDC	0 - 2.85 A	120W
SLD120PV43R	43 VDC	0 - 2.79 A	120W
SLD120PV44R	44 VDC	0 - 2.72 A	120W
SLD120PV45R	45 VDC	0 - 2.66 A	120W
SLD120PV46R	46 VDC	0 - 2.60 A	120W
SLD120PV47R	47 VDC	0 - 2.55 A	120W
SLD120PV48R	48 VDC	0 - 2.50 A	120W
SLD120PV49R	49 VDC	0 - 2.44 A	120W
SLD120PV50R	50 VDC	0 - 2.40 A	120W



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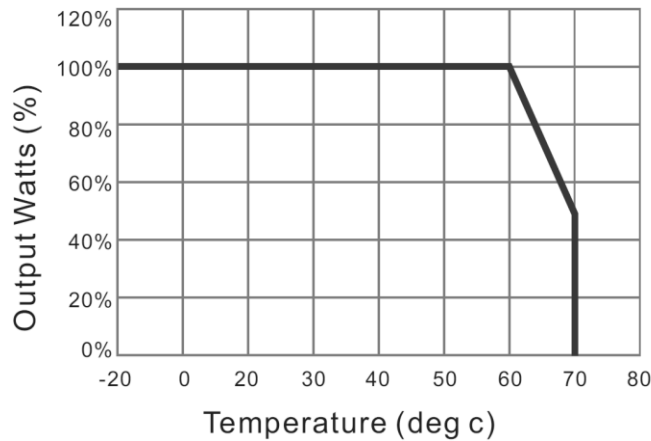
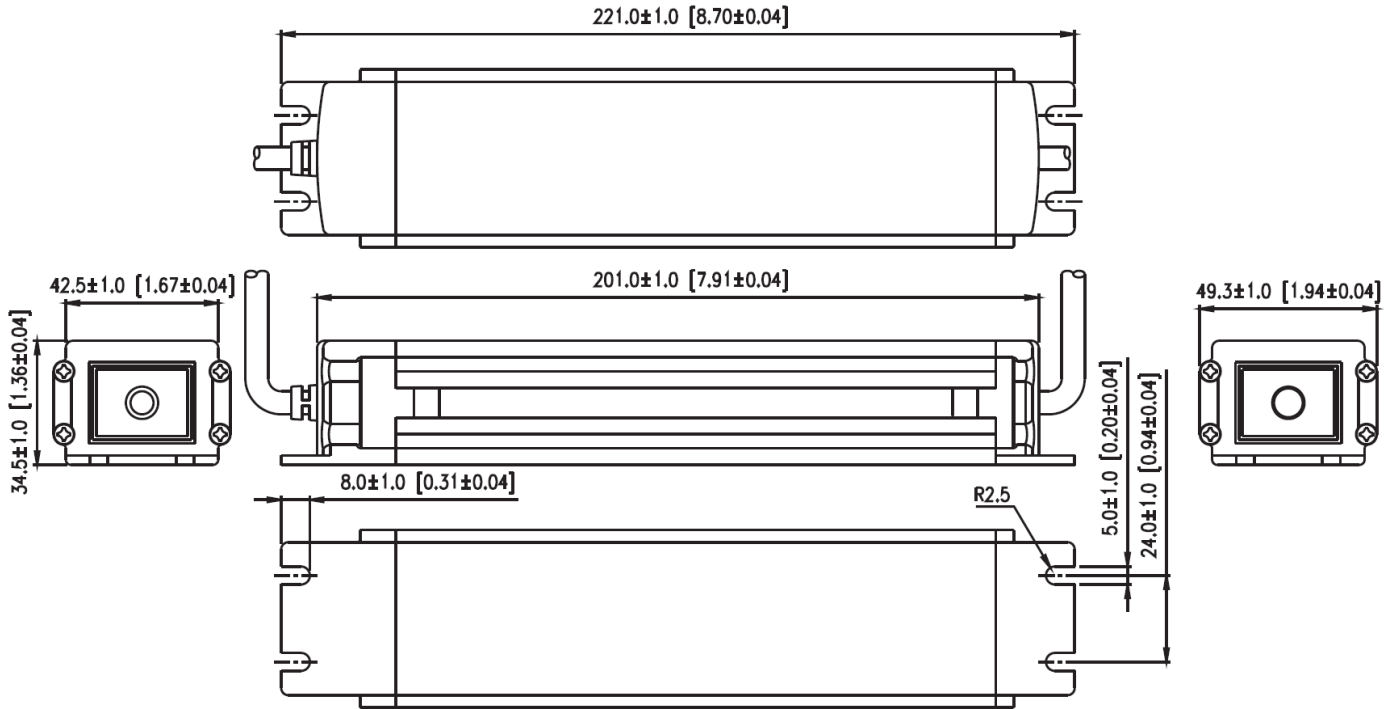
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**Note:**

Input Connector: 1 ft. Cable, SJTW, 18AWGx3C

Output Connector: 1 ft. Cable, SJTW, 18AWGx2C



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